

REGULATORY GUIDEBOOK FOR MICHIGAN'S LITHOGRAPHIC PRINTING INDUSTRY S e c o n d E d i t i o n

Developed by

**The Michigan Departments of
Consumer and Industry Services
and Environmental Quality**

**www.michigan.gov/deq
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REGULATORY GUIDE FOR THE MICHIGAN LITHOGRAPHIC PRINTING INDUSTRY

Introduction

The *Regulatory Guide for the Michigan Lithographic Printing Industry—Second Edition* has been formulated through the joint efforts of the Michigan Departments of Environmental Quality and Consumer and Industry Services.

One of the driving forces behind the development of this guidebook is the Michigan Great Printers Project. The Michigan Great Printers Project is part of a unique, regional, pollution prevention initiative. The project seeks to make pollution prevention (P2) the primary choice of the Great Lakes' lithographic printing industry in protecting human health and the environment. Besides addressing the various environmental and health and safety regulations, a major section of the guidebook is dedicated to pollution prevention.



This guidebook has been developed for use by printers, suppliers, consultants and regulators. It is designed to provide the information needed to understand the environmental, health and safety responsibilities of the printing industry. The guidebook should serve as a ready reference tool enabling Michigan's printing industry to comply with the various rules and regulations issued by the federal and state government.

Like other industrial activities, lithographic printing uses a variety of materials and potentially hazardous chemicals. The wastes generated must be handled, treated or disposed of properly. The average print shop is not a major source of pollution, but the aggregate impact on the environment can be substantial. When regulations are not followed, natural resources, safety, and human health are often sacrificed as a result.

This guidebook describes how wastes may enter the environment and how to prevent them from doing so. Some of the most common concerns, along with applicable solutions, are described in the chapters that follow. Topics include **discharge of air pollutants; disposal of solid, liquid, and hazardous waste; discharge of wastewater to municipal sewage systems, storm drains, and on-site septic systems; storage of materials; and discharges/releases on the land or into lakes and streams.**

Along with discussing these environmental protection issues, the guidebook also stresses the importance of safety and health in the work place, outlines applicable safety and health regulations, and teaches how to comply with them. Some topics covered include **integrating safety into operations as a normal business process, discussing safety at regular business meetings, participating in periodic housekeeping and safety inspections,**

availability and use of personal protection equipment, conducting routine safety training, and regular review of performance.

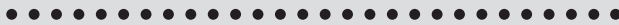
The final chapter of this guidebook focuses on construction code requirements. Topics include **obtaining building, electrical, plumbing, and mechanical permits; and Barrier Free Design.**

The promotion of a safe and healthy environment is in the best interest of all parties. By using the knowledge set forth in this guidebook to develop and sustain effective safety and health programs, Michigan's lithographic printers can steer clear of compliance problems, avoid costly penalties, and save money in the long run.



This publication is intended for guidance only and may be impacted by changes in legislation, rules, and regulations adopted after the date of publication. This guidebook offers additional information and direction in identifying pollution prevention opportunities in the printing industry and is not to be used as a substitute for the various codes, rules, and regulations that impact the printing industry. The guidebook attempts to assist the user in complying and even exceeding the broad set of federal and state regulations which apply to printing facilities and does not constitute the rendering of legal advice.

Diligent efforts have been made to assure that the information provided herein is accurate as of the date of publication; however, there is no guarantee, expressed or implied, that the use of this guidebook will satisfy all regulatory requirements derived from the laws and what is required by the agencies involved. Reliance on information from this document is not usable as a defense in any enforcement action or litigation. The State of Michigan shall be held harmless for any cause of action brought on as a result of use of this publication.




HOW TO USE THIS GUIDEBOOK

This guidebook is designed to answer your questions regarding various regulations and help you obtain any additional information you may need. Although the guidebook may appear intimidating due to its size and the number of topics covered, you will hopefully find it quite user friendly. Arranged by regulatory area, e.g., environmental, health and safety, etc., it will enable you to go directly to the chapter of most interest.

At the end of each chapter is a section called “**Where To Go For Help.**” This section identifies which state and federal agencies and other sources you can contact for additional information about the stated subject. Whenever possible, the phone number, web site, and list of useful publications associated with the agency or resource are listed.

Whenever you are referred to a district office for information, you should contact the Michigan Department of Environmental Quality district office that oversees the county where your facility, or the facility you are checking on, is located. Please refer to the Michigan Department of Environmental Quality district office map and phone numbers at the end of Appendix C.

1. All regulations, whether state or federal, are printed in bold and italicized throughout the guidebook. A “Summary of Statutes and Regulations” that covers the various laws or rules referenced throughout is included as Appendix E.
2. Whenever a state regulation is referred to as “**Part _____**” in the guidebook, it is referring to a particular part of an act, such as the ***Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended (Act 451)***. Please note, **Act 451** is a compilation of Michigan’s environmental laws into one act. Some guide owners will find it necessary to obtain actual copies of the regulations cited in this part of the chapter to further their understanding of the requirements. Appendix E gives a more detailed discussion of state and federal statutes and rules, how they are cited, and where you can find them on the Internet.
3. An “Index” of key compliance terms for printers is located in Appendix F. This quick reference section has been developed to assist you with locating areas of the regulations using key words or terminology of the printing industry. The index references all appropriate chapters and sections of chapters that provide detail on those regulations or compliance issues.
4. Many opportunities exist to lessen the impact of the printing industry on the environment while at the same time saving money in materials and operating costs through pollution prevention. Chapter 6 of the guidebook is devoted exclusively to pollution prevention opportunities for printing shops of all sizes.
5. This phone  will let you know of important telephone numbers.

6. Government is noted for its use of acronyms, and this guidebook is full of them. Appendix A contains a complete listing of all these acronyms used in the guidebook.
7. Proper management of hazardous materials at a manufacturing site requires you to know the various properties of the material. Material Safety Data Sheets (MSDS) contain important information, such as identification of the hazardous ingredients and precautions for safe handling and use. Appendix D explains how to properly read an MSDS.
8. Do you wonder what the numbers in front of the decimal point in a state rule citation refer to? Do you need the full text of a regulation your business may be subject to and need it fast? Appendix E unravels the mysteries associated with citing state and federal rules and tells how to locate electronic and hard copies of them. Thankfully, the Internet makes locating regulations an easy task. Key web sites are listed in Appendix E.

The information within this guidebook is for **state and federal requirements** pertinent to Michigan. There has been no attempt made to discuss in any detail, local regulations that might affect your business. Contact your local government officials for guidance and assistance with their requirements. It is the responsibility of each business owner or operator to obtain any necessary permits from the appropriate agency.